JAMES M. SPEAR DATE CONSIDERED 03-04-2004

EXAMINER

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	INFOR	MATION DISCLOSURE CI IN AN APPLICATION	19 ⁸	APPLICANT Howard Bernstein, et a	al.			
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SXAM- (NER (NI- (IAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DAT IF APPROPRIAT	
18	AA2	3,891,570	06/24/75	Fukushima, M. et al.	252	316	٠.	
不	AB2	4,391,797	07/05/83	Folkman, M.J. et al.	424	19		
\top	AC2	5,176,907	01/05/93	Leong, K.W.	424	78.08		
1	AD2	5,122,367	06/16/92	Ron, E. et al.	424	80		
1	AE2	5,145,674	09/08/92	Lane, G.A. et al.	424	78.08		
1	AF2	4,711,782	12/08/87	Okada, H. et al.	424	455		
+-	AG2	5,126,147	06/30/92	Silvestri, L.J. et al.	424	497		
1	AH2	5,192,741	03/09/93	Orsolini, P. et al.	514	4 .		
	AI2	4,732,889	03/22/88	Cynshi, O. et al.	514	8		
	АЈ2	4,879,272	11/07/89	Shimoda, N. et al.	514	8		
38	AK2	4,992,419	02/12/91	Woog, H. et al.	514	8		
<i>U</i>			FORBIG	N PATENT DOCUMENTS				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO YES N	
9K	AL2	WO92/11844	23/7/92	PCT WO				
不	AM2	WO95/29664 A1	09/11/95	pet WO				
	AN2	WO94/12158	09/06/94	PCF WO				
\top	A02	0633 020 A1	11/01/95	EPO				
V	AP2	WO93/17668	16/09/93	PCF WO				
X	AQ2	W094/07469	04/14/94	per WO				
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X	AU	Costantino, H.R., et al., "Aggregation of a Lyophilized Pharmaceutical Protein, Recombinant Human Albumin: Effect of Moisture and Stabilization by Excipients," Biotechnology, 13:493-496 (1995).						
S	AV	Creighton, T.E., "Physical Forces That Determine the Properties of Proteins," In Proteins, Structures and Molecular Principles, (NY: W.H. Freeman and Company), pp. 149-150.						
X	AW	Cunningham, B. C., et al., "Dimerization of Human Growth Hormone by Zinc," Science, 253:545-548 (August 1991).						
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Q	8	ААЗ	4,853,218	08/01/89	Yim, Z. et al.	424	85.7	·	
y		АВЗ	4,235,236	11/25/80	Theeuwes, F.	128	260		
		AC3	4,906,474	03/06/90	Langer, R.S. et al.	424	428		
		AD3	5,019,400	5/28/91	Gombotz, W.R. et al.	424	497		
		AE3	4,981,696	1/1/91	Loomis, G.L. et al.	424	486		
		AF3	4,637,905	1/20/87	Gardner, D.L.	264	4.3		
		AG3	4,897,268	1/30/90	Tice, T.R. et al.	424	422		
П		АНЗ	4,767,628	8/30/88	Hutchinson, F.G.	424	426		
		AI3	3,928,566	12/23/75	Briggs, A.R. et al.	424	94		
V	7	AJ3	4,166,800	9/4/79	Fong, J.W.	252	316		
X	3	AK3	4,530,901	7/13/85	Weissmann, C.	435	70		
U				POREIG	N PATENT DOCUMENTS				
			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
9		AL3	0580 428 A1	01/26/94	BPO				
9	\Box	амз	0537559 A1	21/04/93	RPO				
		AN3	0266119 A3	04/05/88	BPO				
		A03	0330180 A1	30/08/89	EPO .				
		AP3	WO89/03678	05/05/89	per WO				
S	,	AQ3	WO90/13285	15/11/90	PCT- WO				
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X	•	AX	Sato, Toyomi, et al., "Porous Biodegradable Microspheres for Controlled Drug Delivery. I. Assessment of Processing Conditions and Solvent Removal Techniques," Pharmaceutical Research, 5(1):21-29 (1988).						
		ΑY	Langer, R., "New Methods of Drug Delivery," Science, 249:1527-1533 (September 1990).						
	/	AZ	Liu, W. R., et al., "Moisture-Induced Aggregation of Lyophilized Proteins in the Solid State," <i>Biotechnology and Bioengineering</i> , 37:177-184 (1991).						
8	8	AR2	Lu, W., and Park, T. G., "Protein Release from Poly(lactic-co-glycolic acid) Microspheres: Protein Stability Problems," PDA J. of Pharmaceutical Science & Technology, 49(1):13-19 (Jan-Feb 1995).						
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8	AA4	4,871,538	10/02/89	Yim, Z. et al.	424	85.7		
不	AB4	B1 4,985,404	04/21/92	Mitchell, J.W.	514/6	514/2		
	AC4	4,655,777	04/07/87	Dunn, R.L., et al.	623	16		
	'AD4	5,075,115	12/24/91	Brine, C.J.	424	486		
	AE4	5,344,654	09/06/94	Rueger, D.C., et al.	424	423		
	AP4	4,237,114	12/02/80	Cardarelli, N.F.	424	78		
	AG4	4,806,524	02/21/89	Kawaguchi, T., et al.	514	8		
	AH4	4,252,791	02/24/81	Grossberg, S.E., et al.	424	85	. *	
1	AI4	5,441,734	08/15/95	Reichert, P., et al.	424	85.7		
98	AJ4	5,413,797	05/09/95	Khan, M.A., et al.	424	489		
0	AK4							
			FORE	IGN PATENT DOCUMENTS				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUE- CLASS	TRANSLATION YES NO	
08	AL4	0 595 030 A2	05/09/91	PCP WO				
体	AM4	WO93/02712	18/02/93	Det WO				
	AN4	WO95/11010	27/04/95	per WO				
	AO4	WO94/19373 A1	01/09/94	Per WO				
	AP4	0 307 097 A2	15/03/89	EPO				
98	AQ4	WO91/18927 A1	12/12/91	DOW 194				
		OTHER DOCUMENT	S (Including	Author, Title, Date, Pertinen	t Pages,	Btc.)		
98	AS2	Cohen, S., et al., "Controlled Delivery Systems for Proteins Based on Poly(Lactic/Glycolic Acid) Microspheres," Pharmaceutical Research, 8(6):713-720 (1991).						
8	AT2	Hora, M.S. et al., "Release of Human Serum Albumin from Poly(lactide-co-glycolide) Microspheres," Pharmaceutical Research, 7(11):1190-1194 (1990).						
X	AU2	Hageman, M.J., et al., "Preformulation Studies Oriented Toward Sustained Delivery of Recombinant Somatotropins," J. Agric. Food Chem., 40:348-355 (1992).						
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98	AL5	0 123 291 A2	31/10/84	EPO				
个	AM5	0 281 299 A1	07/09/88	EPO				
	AN5	0 251 680 A2	07/01/88	EPO				
OS	205	WO92/19226	12/11/92	PCP WO				
0		OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertinen	it Pages,	Etc.)		
88	AV2	Cleland, J. L., et al., "Characterization of Recombinant Human Growth Hormone- PLGA Formulations in Animals," Proceed, Intern. Symp. Control. Rel. Bioact. Mater., 22:143-144 (1995).						
1	AW2	Cleland, J. L., et al., "One Month Continuous Release Recombinant Human Growth Hormone-PLGA Formulations," Proceed. Intern. Symp. Control. Rel. Bioact. Mater., 22:149-150 (1995).						
	AX2	Mullerad, J., et al., "Delivery of IL-1 Microspheres to Tumor Macrophages," Proceed. Intern. Symp. Control. Rel. Bioact. Mater., 22:512-513 (1995).						
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	AR2	Park, T. G., et al., "Importance of In Vitro Experimental Conditions on Protein Release Kinetics, Stability and Polymer Degradation in Protein Encapsulated Poly(D,:-Lactic Acid-Co-Glycolic Acid) Microspheres, J. of Controlled Release, 33:211-222 (1995).						
	A52	Nagata, S., et al., "Synthesis in E. Coli of a Polypeptide with Human Leukocyte Interferon Activity," Nature, 284:316-320 (March 1980).						
	AT2	Rubinstein, M., "The Structure of Human Interferons," Biochimica et Biophysica Acta., 695:5-16 (1982).						
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